

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

ASSIGNMENT (DOCUMENT) COVER SHEET (37 C.F.R. § 3.31)

Attached please find an assignment (document) for recordal.

IDENTIFICATION OF APPLICATION(S) AND/OR PATENT(S)
FOR ASSIGNMENT (DOCUMENT) RECORDAL
(37 C.F.R. § 3.21 and 37 C.F.R. § 3.31(a)(4))

1. This assignment is for the following patent application and/or issued patent:
 - a. U.S. National Stage application identified as Nelson Mullins Riley & Scarborough, LLP
Attorney Docket No. 16139/09062.

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

*(When using Express Mail, the Express Mail label number is mandatory;
Express Mail certification is optional.)*

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

☒ deposited with the United States Postal Service in an envelope addressed to the Director of the United States Patent and Trademark Office,
P.O. Box 1450, Alexandria, VA 22313-1450.

37 C.F.R. § 1.8(a)

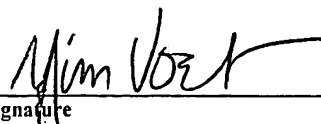
☐ with sufficient postage as first class mail.

37 C.F.R. § 1.10*

☒ as "Express Mail Post Office to Addressee"
Mailing Label No. EV 452150704 US (mandatory)

TRANSMISSION

☐ facsimile transmitted to the Patent and Trademark Office, (571) 273 - 0140.



Signature

Date: May 10, 2006

Mim Voet

(type or print name of person certifying)

* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

**TOTAL NUMBER OF APPLICATIONS AND/OR PATENTS
AND TOTAL FEE**

2. A. The total number of applications and/or patents identified in this cover sheet is: **1**.
- B. The total fee is (37 C.F.R. Section 1.21(h)):

$$1 \times \$40.00 = \$40.00$$

- C. Payment of fee is made by:

Attached is a check in the amount of \$40.00.

Charge any additional fees required by this paper or credit any overpayment to
Deposit Account No. 50-2548.

A duplicate of this paper is attached.

**NAME FO PARTY CONVEYING INTEREST
(37 C.F.R § 3.31(a)(1))**

3. The parties conveying the interest are:

Desuo Wang
Joseph W. Kosh
J. Walter Sowell, Sr. and
Ting Wang

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST
(37 C.F.R. § (a)(2))**

4. The rights are being conveyed to:

University of South Carolina
Osborne Administration Building
Columbia, SC 29208
USA

**DESCRIPTION OF INTEREST CONVEYED OR
TRANSACTION RECORDED (37 C.F.R. § 3.31(a)(3))**

5. The accompanying documents intend to accomplish an assignment.

**NAME AND ADDRESS OF PARTY TO WHOM
CORRESPONDENCE SHOULD BE MAILED (37 C.F.R. § 3.31 (a)(5))**

6. Please address correspondence to:

Name: Charles E. Dunlap, Ph.D., Esq.
Address: Nelson Mullins Riley & Scarborough, LLP
1320 Main Street, 17th Floor
Columbia, SC 29201
USA
Telephone No.: 864-250-2238
Facsimile No.: 803-255-9831

**DATE ASSIGNMENT (DOCUMENT) EXECUTED
(37 C.F.R. § 3.31(a)(7))**

7. The attached assignment (document) was executed as follows:

Desuo Wang, inventor, executed the attached assignment document assigning to The University of South Carolina on May 1, 2006;

Joseph W. Kosh, inventor, executed the attached assignment document assigning to The University of South Carolina on May 1, 2006;

J. Walter Sowell, Sr., inventor, executed the attached assignment document assigning to The University of South Carolina on May 3, 2006; and

Ting Wang, inventor, executed the attached assignment document assigning to The University of South Carolina on May 1, 2006.

LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED

8. The attached document is in the English language.

ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED

9. Submitted herewith is a true copy of the original document, which I certify each to be a true copy.

**STATEMENT (37 C.F.R. § 3.31(a)(9)) AND
SIGNATURE (37 C.F.R. § 3.31(a)(10))**

10. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original documents.

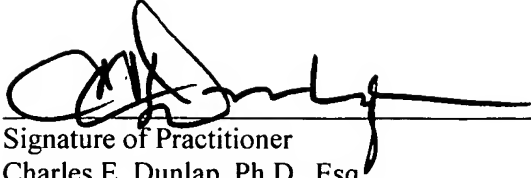
Date: May 10, 2006

Reg. No.: 35,124

Tel. No.: 864-250-2238

Fax No.: 803-255-9831

Customer No.: 27530


Signature of Practitioner
Charles E. Dunlap, Ph.D., Esq.

Nelson Mullins Riley & Scarborough, LLP
1320 Main Street, 17th Floor
Columbia, SC 29201
USA

TOTAL NUMBER OF PAGES BEING SUBMITTED

11. The total number of pages being submitted, **including document**, is: **nine (9)**.

ASSIGNMENT

WHEREAS, I/WE, the undersigned, have made certain invention or inventions which are disclosed in patent application(s) and/or provisional patent application(s) entitled:

**TREATMENT OR PREVENTION OF CARDIOVASCULAR AND RESPIRATORY
DISORDERS WITH NOVEL SUBSTITUTED CYCLIC-AMP SPECIFIC
PHOSPHODIESTERASE INHIBITORS**

WHEREAS, UNIVERSITY OF SOUTH CAROLINA, an educational institution of South Carolina, United States of America, having a place of business at University of South Carolina, Osborne Administration Building, Columbia, SC 29208, U.S.A., its successors and assigns, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, I/WE do hereby sell, assign and transfer to said UNIVERSITY OF SOUTH CAROLINA, its successors and assigns, the entire right, title and interest in and to said invention or inventions, in any form or embodiment thereof, and in and to said application(s); and in and to any and all applications filed in any country based thereon, including the right to file application in countries other than the country of priority filing under the provisions of any international convention; also in and to any and all improvements on said invention or inventions now or hereafter made by me/us as employee(s), agent(s) or contractor(s) of said UNIVERSITY OF SOUTH CAROLINA, its successors and assigns, also the entire right, title and interest in and to any and all patents, including reissues and extensions thereof, to be obtained in any country upon said invention, inventions or improvements, and any and all continuing applications, including divisional, continuation and continuation-in-part applications, substitute applications, and applications claiming benefit of an earlier filed provisional application, which may be filed upon said invention, inventions or improvements in any country; and

I/WE hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said UNIVERSITY OF SOUTH CAROLINA, its successors and assigns, as assignee of the entire interest.

I/WE further agree, without any payment by UNIVERSITY OF SOUTH CAROLINA, other than in reimbursement of reasonable expenses I/we may incur, to communicate to said UNIVERSITY OF SOUTH CAROLINA, its representatives or agents, any facts relating to said invention, inventions or improvements, including evidence for purposes of interference, opposition or other legal proceedings, whenever requested; testify in any interference, opposition or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

IN TESTIMONY WHEREOF, I have hereto set my hand on the date set after my signature.

Signature: Desuo Wang

Date: May 1, 2006

Name: Desuo Wang

Residence: 135 Governors Grant Blvd., Lexington, SC 29072

State of South Carolina)

County of Richland)

On this 1st day of May, 2006, before me personally appeared Desuo Wang, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above-written.

Emily F. Willingham
Notary Public

My Commission expires 1-22-2012

IN TESTIMONY WHEREOF, I have hereto set my hand on the date set after my signature.

Signature: Joseph W Kosh

Date: May 1, 2006

Name: Joseph W. Kosh

Residence: 105 Nut Tree Court, Lexington, SC 29072

State of South Carolina)

County of Richland)

On this 3rd day of May, 2006, before me personally appeared Joseph W. Kosh, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above-written.

Emily F. Williamson
Notary Public

My Commission expires 01-22-2012

IN TESTIMONY WHEREOF, I have hereto set my hand on the date set after my signature.

Signature: J. Walter Sowell

Date: 05/03/06

Name: J. Walter Sowell, Sr.

Residence: 1704 Blackbird Drive, West Columbia, SC 29169

State of South Carolina)

County of Richland)

On this 3rd day of May, 2006, before me personally appeared J. Walter Sowell, Sr., to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above-written.

Emily F. Willingham
Notary Public

My Commission expires 01-22-2012

IN TESTIMONY WHEREOF, I have hereto set my hand on the date set after my signature.

Signature: Ting Wang

Date: May 1, 2006

Name: Ting Wang

Residence: 101 Pickens Street, Apt. J-5, Columbia, SC 29205

State of South Carolina)

County of Richland)

On this 1st day of May, 2006, before me personally appeared Ting Wang, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above-written.

Emily F. Williamson
Notary Public

My Commission expires 1-22-2012